Severe Storm and Flood Potential December 21, 2013

Threat Assessment for south-central Indiana and central Kentucky

Prepared at: 2:00 PM EST Dec 21, 2013

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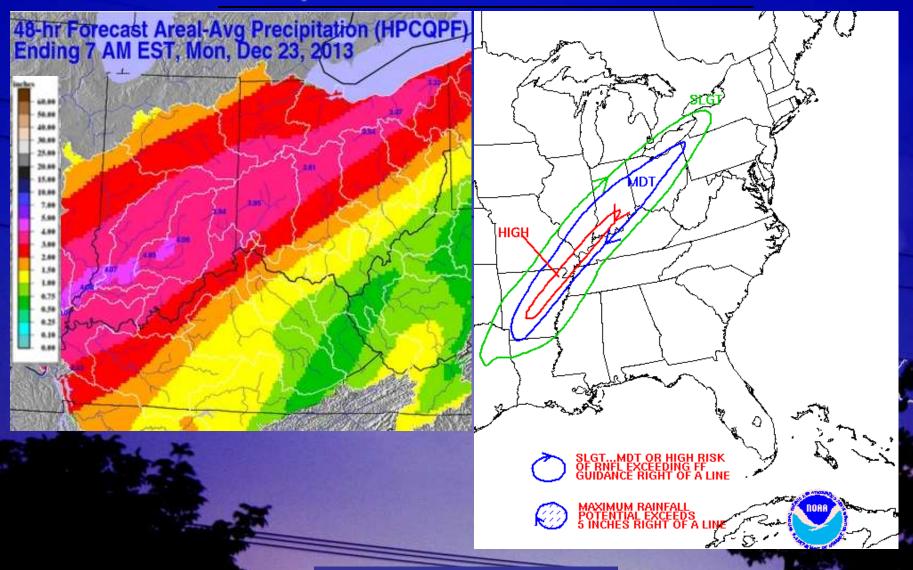
NWS Louisville KY

Expected Impacts

Flooding Potential:

- Prime location is north of the Western Kentucky and Bluegrass Parkways and west of I-75
- Total rainfall 2-4 inches by Sunday morning, locally higher amounts over southern Indiana
- Localized flooding/ponding during times of heaviest rain
- River flooding possible early next week

Heavy Rain/Flood Potential



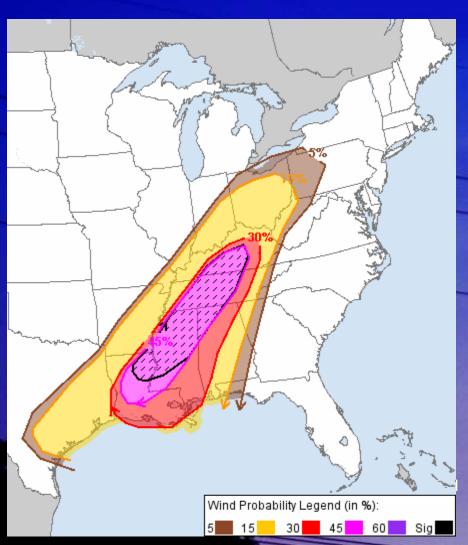
Expected Impacts

Severe Weather Potential:

- Moderate Risk of severe weather in central Kentucky
 - Mainly south of the WK/Bluegrass Parkways
- 8 PM 2 AM EST (7 PM-1 AM CST)
- Damaging winds (hurricane force in strongest storms?)
- Isolated nocturnal squall line tornadoes (west of I-65)
- Gusty winds (40+ mph) before any storms

Wind Probabilities

Tornado Probabilities





Severe Weather Timing



National Weather Service Louisville KY

Confidence and Uncertainty

- High confidence in southern Indiana river flooding
 - Lower confidence in flash flooding
- Moderate confidence in south-central Kentucky severe weather
- Confidence is lower between the Ohio River and the WK/Bluegrass Parkways
 - Enough rain for flood issues?
 - Enough instability for severe?